

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

Claims 1-6 (Cancelled)

7. (New) A method of processing a product, comprising:

separating a raw material for the product from a workpiece comprising the raw material by forming a slit in the workpiece while leaving a micro joint connection connecting the raw material and the workpiece;

positioning a portion of the raw material on a lower metal mold and bending the portion of the raw material downward using an upper metal mold and the lower metal mold, while maintaining the micro joint connection between the raw material and the workpiece; and

dropping the product by separating the micro joint connection between the raw material and the workpiece.

8. (New) The method according to claim 7,

wherein the portion of the raw material is bent downward greater than 90°.

9. (New) The method according to claim 8,

wherein the upper metal mold comprises:

a punch chip attached to a lower surface of a vertically movable punch body, movable to a first side with respect to the punch body, and comprising a protruding bending process portion that protrudes to the first side at a lower end of the punch chip.

10. (New) The method according to claim 9,

wherein the portion of the raw material is bent downward greater than 90° as the punch chip moves to the first side with respect to the punch body as the punch body is moved vertically.

11. (New) The method according to claim 9,

wherein the upper metal mold further comprises:

a pressure moving mechanism for pressure moving the punch chip to the first side when the punch body moves vertically.

12. (New) The method according to claim 11,

wherein the pressure moving mechanism comprises:

an inclined surface of the punch chip formed on a second side opposite the first side; and

a punch chip pressing member provided in a lower portion of the punch guide, the pressing member being slidable with the inclined surface of the punch chip.

13. (New) The method according to claim 7,

wherein the lower metal mold comprises:

a die main body comprising a die hole; and

a plurality of bending process edges formed at a plurality of positions in an inner peripheral edge of the die hole,

wherein the portion of the raw material bent downward is bent downward along one of the bending process edges,

wherein the micro joint connection between the raw material and the workpiece is separated along one of the bending process edges, and

wherein each of a plurality of dimensions from a center of the die hole to the plurality of bending process edges is differentiated so as to correspond to a plurality of different workpieces having different thicknesses.

14. (New) The method according to claim 7,

wherein the portion of the raw material is bent downward into a die hole of a die main body.

15. (New) The method according to claim 14,

wherein the portion of the raw material is bent downward along a bending process edge of the die hole.

16. (New) The method according to claim 15,

wherein the bending process edge is formed as an inclined surface of the die hole of the die main body.

17. (New) The method according to claim 7,

wherein the micro joint connection between the raw material and the workpiece is separated by bending the raw material downward along a bending process edge of a die hole of a die main body.